

I claim:

1. Substantially pure O1-180 having the amino acid sequence set forth in Fig. 2.
2. An isolated polynucleotide having the polynucleotide sequence set forth in Fig. 1
3. The polynucleotide of claim 2, wherein the polynucleotide is isolated from a mammalian cell.
4. The polynucleotide of claim 3, wherein the mammalian cell is selected from the group consisting of mouse, rat, pig, cow and human cell.
5. An expression vector including the polynucleotide of claim 2.
6. The vector of claim 5, wherein the vector is a plasmid.
7. The vector of claim 5, wherein the vector is a viral vector.
8. A host cell containing the vector of claim 5.
9. The host cell of claim 8, wherein the cell is prokaryotic.
10. The host cell of claim 8, wherein the cell is eukaryotic.
11. Substantially pure O1-184 having the amino acid sequence set forth in Fig. 4.
12. An isolated polynucleotide having the polynucleotide sequence set forth in Fig. 3
13. The polynucleotide of claim 12, wherein the polynucleotide is isolated from a mammalian cell.
14. The polynucleotide of claim 13, wherein the mammalian cell is selected from the group consisting of mouse, rat, pig, cow and human cell.

15. An expression vector including the polynucleotide of claim 12.
16. The vector of claim 15, wherein the vector is a plasmid.
17. The vector of claim 15, wherein the vector is a viral vector.
18. A host cell containing the vector of claim 15.
19. The host cell of claim 18, wherein the cell is prokaryotic.
20. The host cell of claim 18, wherein the cell is eukaryotic.
21. Substantially pure O1-236 having the amino acid sequence set forth in Fig. 6.
22. An isolated polynucleotide having the polynucleotide sequence set forth in Fig. 5
23. The polynucleotide of claim 22, wherein the polynucleotide is isolated from a mammalian cell.
24. The polynucleotide of claim 23, wherein the mammalian cell is selected from the group consisting of mouse, rat, pig, cow and human cell.
25. An expression vector including the polynucleotide of claim 22.
26. The vector of claim 25, wherein the vector is a plasmid.
27. The vector of claim 25, wherein the vector is a viral vector.
28. A host cell containing the vector of claim 25.
29. The host cell of claim 28, wherein the cell is prokaryotic.
30. The host cell of claim 28, wherein the cell is eukaryotic.

31. An antisense polypeptide encoded by a polynucleotide having a nucleotide sequence complimentary to the polynucleotide sequence set forth in Fig. 1
32. An antisense polypeptide encoded by a polynucleotide having a nucleotide sequence complimentary to the polynucleotide sequence set forth in Fig. 3.
33. An antisense polypeptide encoded by a polynucleotide having a nucleotide sequence complimentary to the polynucleotide sequence set forth in Fig. 5.

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MAY 2000
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